

### **ABSTRACT**

Apparatus for reprogramming a programmed controller of a power driven wheelchair comprises: a reprogrammable, non-volatile memory programmed with a plurality of programs executable by the controller to operate the wheelchair, the non-volatile memory disposed at the wheelchair and coupled to the wheelchair controller; a general-purpose computer programmed to reprogram the non-volatile memory while disposed at the wheelchair, the programmed computer for storing main programs for use in reprogramming the non-volatile memory, the programmed computer being coupleable to the wheelchair controller for accommodating an exchange of data therebetween; and wherein the wheelchair controller being operative to communicate with the programmed computer to reprogram the non-volatile memory with the main programs while the non-volatile memory is disposed at the wheelchair. Methods for reprogramming the non-volatile memory are also disclosed.